



Ministry of
Northern Development
and Mines

Ontario

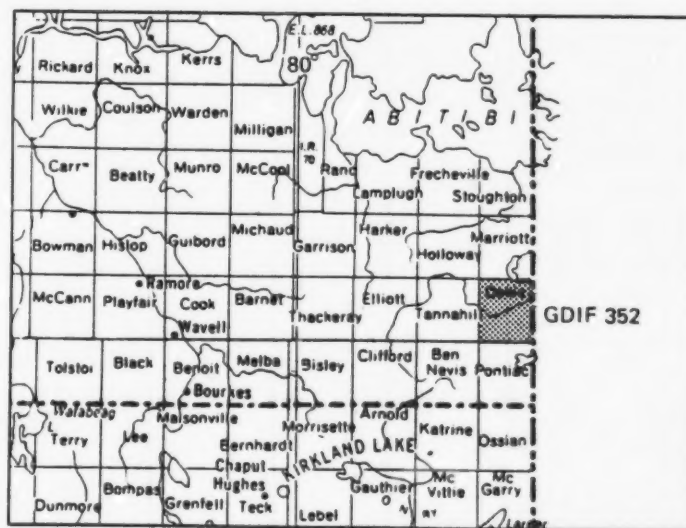
ONTARIO GEOLOGICAL SURVEY
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 352

DOKIS TOWNSHIP

DISTRICT OF COCHRANE

Compiled by the Staff of
the Resident Geologist's Office
Kirkland Lake



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number 32D/5

Mining Claim Map Number

This project is part of Operation Black River-Matheson (BRIM) which was funded equally by the Ontario Ministry of Northern Development and Mines and the Ontario Ministry of Natural Resources.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1987: Dokis Township, District of Cochrane;
Ontario Geological Survey, Geological
Data Inventory Folio 352, compiled by
the staff of the Resident Geologist's
Office Kirkland Lake, 21 p. and 2 maps.

Original Compilation by: W.J. Dennis, K.D. Kalicharran, P.E. Savarie
and B.J. Westin, October 22, 1986

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	Multiplied by	Gives	Imperial Unit	Multiplied by	Gives
LENGTH					
1 mm	0.039 37	inches	1 inch	25.4	mm
1 cm	0.393 70	inches	1 inch	2.54	cm
1 m	3.280 84	feet	1 foot	0.304 8	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	1.609 344	km
AREA					
1 cm ²	0.155 0	square inches	1 square inch	6.451 6	cm ²
1 m ²	10.763 9	square feet	1 square foot	0.092 903 04	m ²
1 km ²	0.386 10	square miles	1 square mile	2.589 988	km ²
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
VOLUME					
1 cm ³	0.061 02	cubic inches	1 cubic inch	16.387 064	cm ³
1 m ³	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m ³
1 m ³	1.308 0	cubic yards	1 cubic yard	0.764 555	m ³
CAPACITY					
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	4.546 090	L
MASS					
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
CONCENTRATION					
1 g/t	0.029 186 6	ounce (troy)/ton (short)	1 ounce (troy)/ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ton (short)	1 pennyweight/ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE—Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

SOURCES OF DATA		Date	Initial
1	Resident Geologist's Office Files	YES	W.J.D.
2	Assessment Files Research Office, Toronto	YES	P.E.S.
3	ODM General Index; 9 volumes	YES	P.E.S.
4	Catalogue of Airborne Geophysical Surveys (ODM)	NO	B.J.W.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	NO	K.D.K.
6	ODM Industrial Mineral Reports	NO	K.D.K.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	W.J.D.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	W.J.D.
9	Newspaper Clippings File	YES	W.J.D.
10	GSC Index to Publications	NO	W.J.D.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	W.J.D.
12	OGS Index Maps	YES	K.D.K.
13	Source Mineral Deposit Records (O.G.S.)	YES	B.J.W.
14	Author - Subject Articles File	NO	B.J.W.
15	Miscellaneous Papers: ODM & OGS	YES	W.J.D.
16	ODM Geological Circulars: OGS Study Series	NO	K.D.K.
17	ODM Preliminary Reports: ODM Bulletins	NO	K.D.K.
18	ODM - OGS Open File Reports	YES	W.J.D.
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	B.J.W.
20	OGS Aggregate Resources Inventory Papers	NO	B.J.W.
21	OGS Mineral Potential Maps	YES	W.J.D.

METALS AND MINERALS REFERENCES LIST

Δ anh.....	Anhydrite	Δ fu.....	Fuchsite	Δ Ni.....	Nickel	Δ st.....	Stone
Δ ank.....	Ankerite	Δ gn.....	Galena	Δ Nb.....	Niobium	Δ talc.....	Talc
Δ anna.....	Annabergite	Δ gt.....	Garnet	Δ Pd.....	Palladium	Δ Te.....	Tellurium
Δ ap.....	Apatite	Δ goe.....	Goethite	Δ peat.....	Peat	Δ td.....	Tetrahedrite
Δ arg.....	Argentite	Δ Au.....	Gold	Δ pent.....	Pentlandite	Δ th.....	Thorite
Δ As.....	Arsenic	Δ gf.....	Graphite	Δ Pt.....	Platinum	Δ Th.....	Thorium
Δ asp.....	Arsenopyrite	Δ gl.....	Gravel	▲ py.....	Pyrite	Δ thuc.....	Thucholite
Δ asb.....	Asbestos	Δ gyp.....	Gypsum	Δ pyl.....	Pyrochlore	Δ ti.....	Titanite
Δ ba.....	Barite	Δ hem.....	Hematite	Δ pyrl.....	Pyrolusite	Δ Ti.....	Titanium
Δ be.....	Beryl	Δ il.....	Ilmenite	▲ po.....	Pyrrhotite	Δ tour.....	Tourmaline
Δ Bi.....	Bismuth	Δ Fe.....	Iron	Δ q.....	Quartz	Δ trap.....	Trap rock
Δ bn.....	Bornite	Δ IF.....	Iron Formation	Δ qcv.....	Quartz carbonate vein	Δ W.....	Tungsten
Δ bran.....	Brannerite	Δ jas.....	Jasper	Δ ra.....	Radioactive minerals	Δ uran.....	Uraninite
Δ bruc.....	Brucite	Δ kaol.....	Kaolinite (kaolin)	Δ RE.....	Rare Earths	Δ U.....	Uranium
Δ Cd.....	Cadmium	Δ ky.....	Kyanite	Δ sd.....	Sand	Δ verm.....	Vermiculite
Δ calc.....	Calcite	Δ Pb.....	Lead	Δ tgl.....	Sand and gravel	Δ Y.....	Yttrium
Δ carb.....	Carbonate	Δ lim.....	Limonite	Δ ss.....	Sandstone	Δ Zn.....	Zinc
Δ cel.....	Celestite	Δ Li.....	Lithium	Δ scap.....	Scapolite	Δ zr.....	Zircon
Δ cc.....	Chalcocite	Δ mgst.....	Magnesite	Δ shee.....	Scheelite		
▲ cp.....	Chalcopyrite	Δ mag.....	Magnetite	Δ serp.....	Serpentine		
Δ ch.....	Chert	Δ mc.....	Malachite	Δ sh.....	Shale		
Δ clay.....	Clay	Δ Mn.....	Manganese	Δ sid.....	Siderite		
Δ Co.....	Cobalt	Δ mb.....	Marble	Δ sl.....	Silica		
Δ cob.....	Cobaltite	Δ mar.....	Marcasite	Δ Ag.....	Silver		
Δ cb.....	Columbite	Δ ma.....	Marl	Δ sl.....	Slate		
▲ Cu.....	Copper	Δ mi.....	Mica	Δ sm.....	Smaltite		
Δ cor.....	Corundum	Δ ml.....	Millerite	Δ sod.....	Sodalite		
Δ dol.....	Dolomite	Δ mo.....	Molybdenite	Δ spec.....	Specularite		
Δ ep.....	Epidote	Δ Mo.....	Molybdenum	Δ sp.....	Sphalerite		
Δ ery.....	Erythrite	Δ mon.....	Monazite	Δ spd.....	Spodumene		
Δ fel.....	Feldspar	Δ na.....	Nephelite (nepheline)	Δ staur.....	Staurolite		
Δ fl.....	Fluorite (fluorspar)	Δ nc.....	Niccolite	Δ stib.....	Stibnite		

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or mentioned within the

Drillhole Summary.

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			
A	Magusi River Exploration Inc.	Cu	C0215	OGS 1978, Rept. 165, p. 61-62. NMI File, 31D/05 Cu3 Resident Geologist Assessment files	".....seven soil geochemical copper anomalies were detailed, and a selected grab sample from a previously made pit gave a value of 3.44% Cu".

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.															
		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE	COMPANY/AUTHOR (file number)	73															
	1 Amax Exploration, Inc.																
	2 Hibbard, M.																
	3 Magusi River Explorations Inc. "Gilbert, J.A. Claims" "Extra Development Inc." "New Goldvue Mines Ltd. opt."	72			73						72	72					
	4 McIntyre Porcupine Mines Ltd.										73	73					
	5 Santa Maria Mines Ltd.																
6 Southwest Potash Corporation	61						73										

DRILLHOLE SUMMARY		Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Map Drilling Location Number										
1		Magusi River Explorations Inc. "Gilbert, J.A. Claims" "Extra Developments Inc." "New Goldvue Mines Ltd. opt."	M-1	07/73	315°	-45°	60'	350'	py, po, cp	Au, Cu
2		" "	M-2	06/73	0°	-45°	75'	350'	py, cp	Au, Cu
3		" "	M-3	07/73	0°	-45°	10'	350'	py, po	Au, Cu

GDIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kirkland Lake

Xtra Development Inc.

NORTHERN MINER

July 5, 1973

Magusi River Exploration

NORTHERN MINER

April 19, 1973

New Insco

NORTHERN MINER

Date Unknown

Ormsby

NORTHERN MINER

April 25, 1957

ODM GENERAL INDEX SEARCH

Words searched: Dokis Township

Index Volume	Listing:	Report Volume	Part	Page
3	Dokis Tp., Coch. Access to Aerial photo Rocks see also map 37g	9 23 22	3 3 3 3	37 37 37 37
8	Dokis, Elliott & Tannahill Tps. Coch. dist. summary of field work, 1971 by L. S. Jensen	MP049		59-62
9	Dokis, Thackeray, Elliott & Tannahill Tps., Cochrane Dist. Geology of the area Reports and maps 2367 & 2368 on, 1978 by L. S. Jensen Gold	GR165 GR165		50-63

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
		REGIONAL GEOLOGICAL COMPILATION MAPS			
Boissoneau, A.N.	1965	Algoma-Cochrane Surficial Geology, Ontario		ODL & F Map S365	1:506 880
Boissoneau, A.N.	1965	Algoma, Sudbury, Timiskaming and Nipissing Surficial Geology		ODL & F Map S465	1:506 880
Ginn, R.M.	1964	Timmins-Kirkland Lake Sheet, Cochrane, Sudbury and Timiskaming Dists., Ont. Geol. Compilation Series		ODM Map 2046	1:253 440
Lumbers, S.B. Milne, V.G.	1976	Ontario Geological Map, East Central Sheet		OGS Map 2393	1:1 013 760
MERQ-OGS	1984	Lithostratigraphic Map of the Abitibi Subprovince		OGS Map 2484 Que Map DV83-16	1:500 000
Ministry of Natural Resources	1985	Ontario Mineral Map		ODM Map 2472	1:1 584 000
OGS	1980	Geological Highway Map, Northern Ontario		OGS Map 2440	1:1 600 000
Pyke, D.R., Ayres, L.D. & Innes, D.G.	1973	Timmins - Kirkland Lake, Geological Compilation Series, Cochrane, Sudbury and Timiskaming Districts		ODM Map 2205	1:253 440
		GEOPHYSICAL MAPS			
Data Plotting Services Inc.	1985	Matheson Black River Area (BRIM) Airborne Magnetic Survey Second Vertical Derivative based on 1984 OGS (BRIM airborne EM and magnetic survey by Questor Surveys)		MNDM Resident Geologist's Office, Kirkland Lake, Ontario	1:100 000
Data Plotting Services Inc.	1985	Matheson Black River Area (BRIM) Magnetic Survey Total Field, based on OGS 1984 (BRIM airborne EM and magnetic survey by Questor Surveys)		MNDM Resident Geologist's Office, Kirkland Lake, Ontario	1:80 000

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Digheem Surveys and Processing Inc.	1986	"Enhanced Shadow" Magnetics, Black River- Matheson Area (BRIM) based on OGS 1984 (BRIM airborne EM and magnetic survey by Questor Surveys)		MNDM Resident Geologist's Office, Kirkland Lake, Ontario	1:100 000
ODM-GSC	1951	Magusi River, Districts of Timiskaming and Cochrane		GSC Map 46G	1:63 360
ODM-GSC	1970	Noranda-Rouyn, Total Field Contour		GSC Map 7084G	1:250 000
ODM-GSC	1975	Magusi River East, Southeast Quarter, NTS 32D/5a (High Resolution Aeromagnetic)		GSC Map 20 121G	1:25 000
ODM-GSC	1975	Magusi River East, Northeast Quarter NTS 32D/5h (High Resolution Aeromagnetic)		GSC Map 20 122G	1:25 000
ODM-GSC	1975	Magusi River East, Southwest Quarter, NTS 32D/5b (High Resolution Aeromagnetic)		GSC Map 20 127G	1:25 000
ODM-GSC	1975	Magusi River East, Northwest Quarter NTS 32D/5g (High Resolution Aeromagnetic)		GSC Map 20 128G	1:25 000
OGS	1984	Airborne Electromagnetic Survey Total Intensity Magnetic Survey Dokis Twp. NTS 32D/5NE, Matheson Black River, Cochrane District		OGS Map 80 611	1:20 000 1:31 680
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Total Count, Noranda Rouyn, NTS 32D/W		OGS Map 80 319 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Potassium (percent), Noranda Rouyn, NTS 32D/W		OGS Map 80 320 GSC Map 35432G	1:250 000

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Uranium (eU), Noranda Rouyn, NTS 32D/W		OGS Map 80 321 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Thorium (eTh), Noranda Rouyn, NTS 32D/W		OGS Map 80 322 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric eU/Th Ratio, Noranda Rouyn, NTS 32D/W		OGS Map 80 323 GSC Map 35432G	1:250 00Q
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric eU/K Ratio, Noranda Rouyn, NTS 32D/W		OGS Map 80 324 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric eTh/K Ratio, Noranda Rouyn, NTS 32D/W		OGS Map 80 325 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Profiles of Integral U, Th, K, U/Th, U/K, Th/K for line 70(1), Rouyn Noranda, NTS 32D		OGS Map 80 332 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Profiles of Integral U, Th, U/Th, U/K, Th/K for line 71(1), Rouyn Noranda, NTS 32D		OGS Map 80 333 GSC Map 35432G	1:250 000
Baker, C.L.	1980	GEOLOGICAL MAPS AND REPORTS Quaternary Geology of the Magusi River Area (32D/5) Districts of Cochrane and Timiskaming		OGS MP 96	p.112-113
Baker, C.L.	1982	Drift Thickness of the Magusi River Area, Cochrane and Timiskaming Districts		OGS Map P.2478	1:50 000

SELECTED REFERENCES		Date	Reference	Map Scales and/or Report Pages
Author	Title			
Baker, C.L.	Sand and Gravel Resources of the Magusi River Area, Cochrane and Timiskaming Districts	1982	OGS Map P.2490	1:50 000
Baker, C.L.	Quaternary Geology of the Kirkland Lake Area, Districts of Cochrane and Timiskaming	1985	OGS OFR 5553	144p.
Baker, C.L. Steele, K.G. Seaman, A.A.	Quaternary Geology of the Magusi River Area, Cochrane and Timiskaming	1982	OGS Map P.2483	1:50 000
Baker, C.L. Steele, K.G. McClennaghan, M.B.	Reconnaissance Till Sampling Program, Matheson-Lake Abitibi Area, Cochrane District	1985	OGS MP 126	p.329-333
Easton, R.M.	Geochronology Compilation Map for Ontario: Sheet 3 East-Central Ontario, All Isotopic Systems	1986	OGS Map P.2842	1:1 013 760
Gledhill, T.L.	Ben Nevis, Munro, Kamiskotia and other Basemetal Areas. District of Cochrane and Timiskaming	1929	ODM AR v.37 pt.3	p.1-52
Hodgson, C.J.	Preliminary Report on the Timmins-Kirkland Lake Area Gold Deposits File	1983	OGS OFR 5467	434p.
Jensen, L.S.	Dokis Township, District of Cochrane	1971	ODMNA Map P.707	1:15 840
Jensen, L.S.	Dokis, Thackeray, Elliott and Tannahill Townships	1971	In Sum. of Field Work	
Jensen, L.S.	Thackeray, Elliott, Tannahill and Dokis Tps. NTS 32D/5 Cochrane District Ontario	1976	ODM OFR 5159	

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Jensen, L.S.	1977	Dokis Twp. & Tannahill Twp. NTS 32D/5 Cochrane District, Ontario		OGS Map 2367	1:31 680
Jensen, L.S.	1978	Geology of Thackeray, Elliott, Tannahill & Dokis Twp. NTS 32D/5, 42A/8 Cochrane District		OGS Rept.165 Map 2367 2368	71p. 1:31 680 1:31 680
Jensen, L.S.	1982	Precambrian Geology of the Magusi River Area, Cochrane and Timiskaming Districts		OGS Map P.2434	1:63 360
Jensen, L.S. Langford, F.F.	1985	Geology and Petrogenesis of the Archean Abitibi Belt in the Kirkland Lake Area, Ontario		OGS MP 123	130p.
Lee, H.A.	1979	Northern Ontario Engineering Geology Terrain Study, Data Base Map, Larder Lake		OGS Map 5031	1:100 000
Lovell, H.L. De.Gris, J.W.	1973	1972 Report of the Kirkland Lake Resident Geologist		ODM MP 54	p.33-52
OGS	1984	Ontario Mineral Deposit Inventory		OGS OFR 5470	
Ploeger, F. Grabowski, G.	1979	Dokis Twp. NTS 32D/5NE Cochrane District Ontario, Kirkland Lake Data Series		OGS Map P.2282	1:15 840
Baragar, W.R.A.	1968	<u>JOURNAL ARTICLES, THESES, TECHNICAL REPORTS</u> Major-element Geochemistry of the Noranda Volcanic Belt, Quebec-Ontario, Canada		Can. Jour. of Earth Sci. v.5	p.773-790
Geissman, J.W. Strangway, S.W. Tasillo, A.M. Jensen, L.S.	1981	Paleomagnetism of Late Archean Metavolcanics and Metasediments, Abitibi Orogen, Canada I. Tholeiites of the Kinojevis Group		OGS OFR 5365	

SELECTED REFERENCES				Map Scale and/or Report Pages
Author	Date	Title	Reference	
Geissman, J.W. Strangway, D.W. Tasillo-Hirt, A.M. Jensen, L.S.	1982	Paleomagnetism of Late Archean Metavolcanics and Metasediments, Abitibi Orogen, Canada: Volcanics of the Blake River Group	Can. Jour. of Earth Sci. v.19	P.2100-2113
Gelinas, L. Trudel, P. Hubert, C.	1984	Chemostratigraphic Division of the Blake River Group, Rouyn-Noranda Area, Abitibi, Quebec	OGS OFR 5365	
Hubert, C. Trudel, P. Gelinas, L.	1984	Archean Wrench Fault Tectonics and Structural Evolution of the Blake River Group, Abitibi Belt, Quebec	Can. Jour. of Earth Sci. v.21	P.220-231
Letros, S.	1983	Geological Interpretation of High Resolution Aeromagnetic Data in the Kirkland-Larder Lake Area	Can. Jour. of Earth Sci. v.21	P.1024-1032
Letros, S. Strangway, D.W. Tasillo, A.M. Geissman, J.W.	- 1981	Grant #20 Magnetism and Stratigraphy in the Blake River Volcanics	OGS OFR 5365 MSc Thesis U of Toronto	
Letros, S. Strangway, D. Tasillo-Hirt, A. Geissman, J., Jensen, L.	1983	Aeromagnetic Interpretation of the Kirkland Lake- Larder Lake Portion of the Abitibi Greenstone Belt, Ontario	OGS OFR 5365 Can. Jour. of Earth Sci. v.20	P.548-560

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Strangway, D.W. Geissman, J.W. Bambrick, J. Letros, S.	1981	Magnetism and Stratigraphy of the Blake River Volcanics		OCS OFR 5365	pt.6
	1982	Paleomagnetism of the Blake River Group, Abitibi Greenstone Belt, Ontario		Can. Jour. of Earth Sci. v.19 OCS OFR 5365 MSc Thesis U of T	p.2100-2113

Author	Date	SELECTED REFERENCES	Reference	Map Scales and/or Report Pages

NOTES AND ADDENDA

Aerial Photography
on file in Kirkland Lake
Resident Geologist's Office

YEAR	ROLL	FLIGHT LINE	PHOTO
1971	4816	43	82
	4816	43	83
	4816	43	84
	4816	43	85
	4816	43	86
	4816	43	87
	4816	43	88
1971	4817	9	268
	4817	9	269
	4817	9	270
	4817	9	271
	4817	9	272
	4817	9	273
1971	4818	9	170
	4818	9	171
	4818	9	172
	4818	9	173
	4818	9	174
	4818	9	175
1971	4819	26	170
	4819	26	171
	4819	26	172
	4819	26	173
	4819	26	174
	4819	26	175
1980	4815	1	22
	4815	1	23
	4815	1	24
	4815	1	25
	4815	1	26
	4815	1	27
1980	4816	2	103
	4816	2	104
	4816	2	105
	4816	2	106
	4816	2	107
	4816	2	108
1980	4817	2	133
	4817	2	134
	4817	2	135
	4817	2	136
	4817	2	137
	4817	2	138

NOTES AND ADDENDA

1980	4818	2	164
	4818	2	165
	4818	2	166
	4818	2	167
	4818	2	168
	4818	2	169
	4818	2	170



Ministry of
Northern Development
and Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

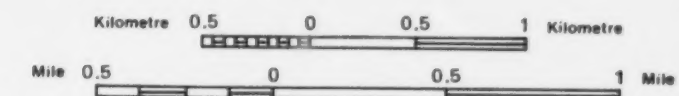
GEOLOGICAL DATA INVENTORY FOLIO 352

(Map 1 of 2)

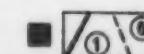
DOKIS TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

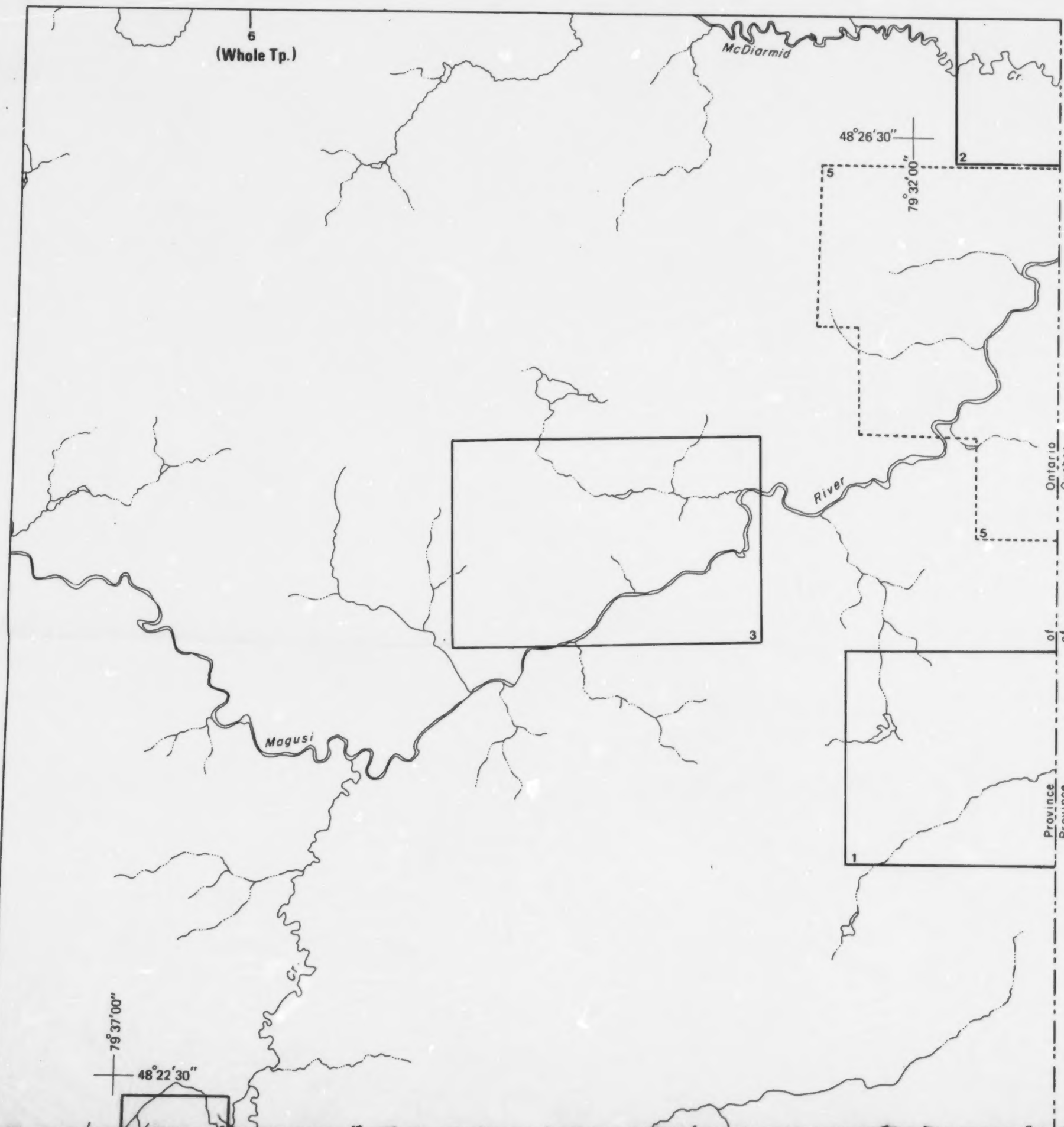


EXPLORATION DATA FILE AREAS



Reference number is always inside work area outlined.
See listing in text pages.

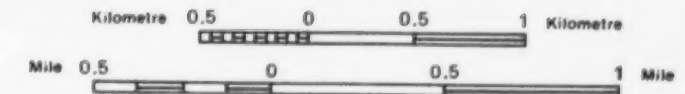
PROPERTY LOCATION MAP



DOKIS TOWNSHIP

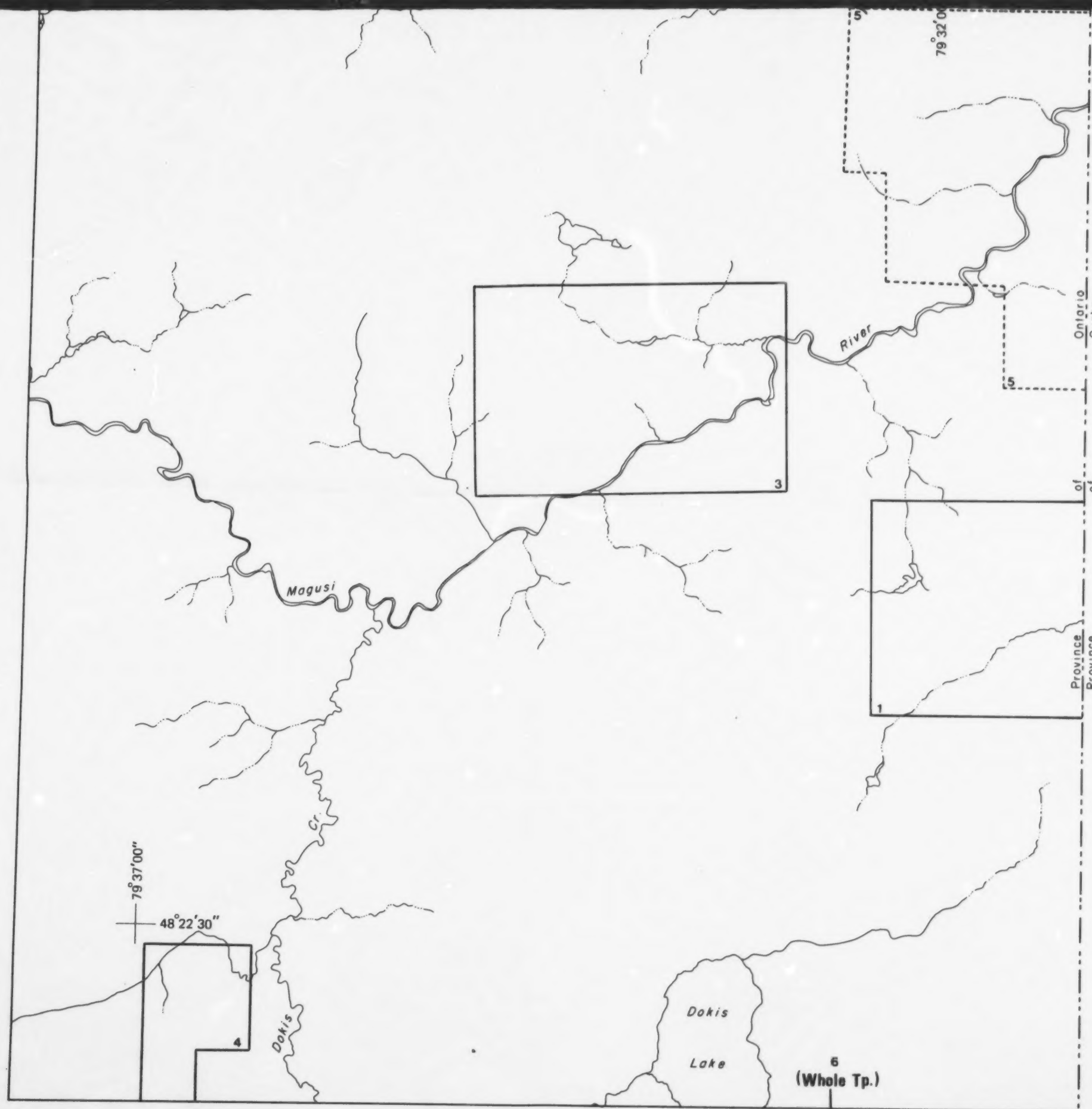
DISTRICT OF COCHRANE

Scale 1:31 680



EXPLORATION DATA FILE AREAS

-  Reference number is always inside work area outlined.
See listing in text pages.
-  Small area exploration.



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TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

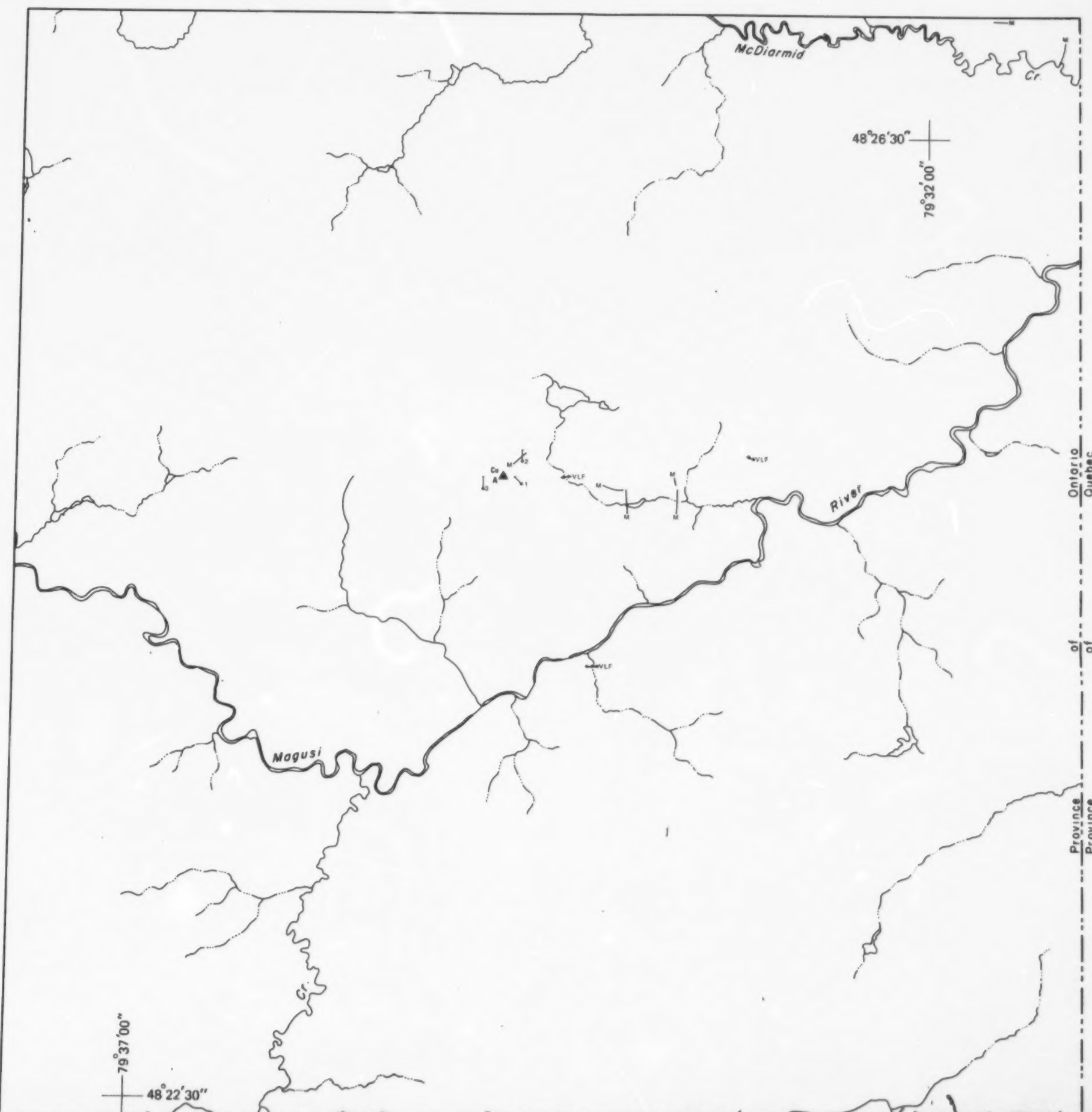
- ☐  Geochemical sample site, with reference number
- ☐  Area of geochemical sampling, with reference number
- ☐  Age dating material sampling site, with reference number

GEOFYSICAL ANOMALIES

- ☐  Airborne magnetic anomaly
- ☐  Airborne electromagnetic anomaly
Length of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Location of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible
- ☐  Airborne radiometric anomaly
- ☐  Ground magnetic anomaly
- ☐  Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal loop;
VLF - Very low freq; Turam; JEM -
Crone Em - 16)
- ☐  Ground radiometric anomaly
- ☐  Induced polarization anomaly
- ☐  Self potential anomaly
- ☐  Audio-frequency magnetic anomaly
(total intensity)
- ☐  Resistivity anomaly
- ☐  Gravity anomaly

MISCELLANEOUS DATA

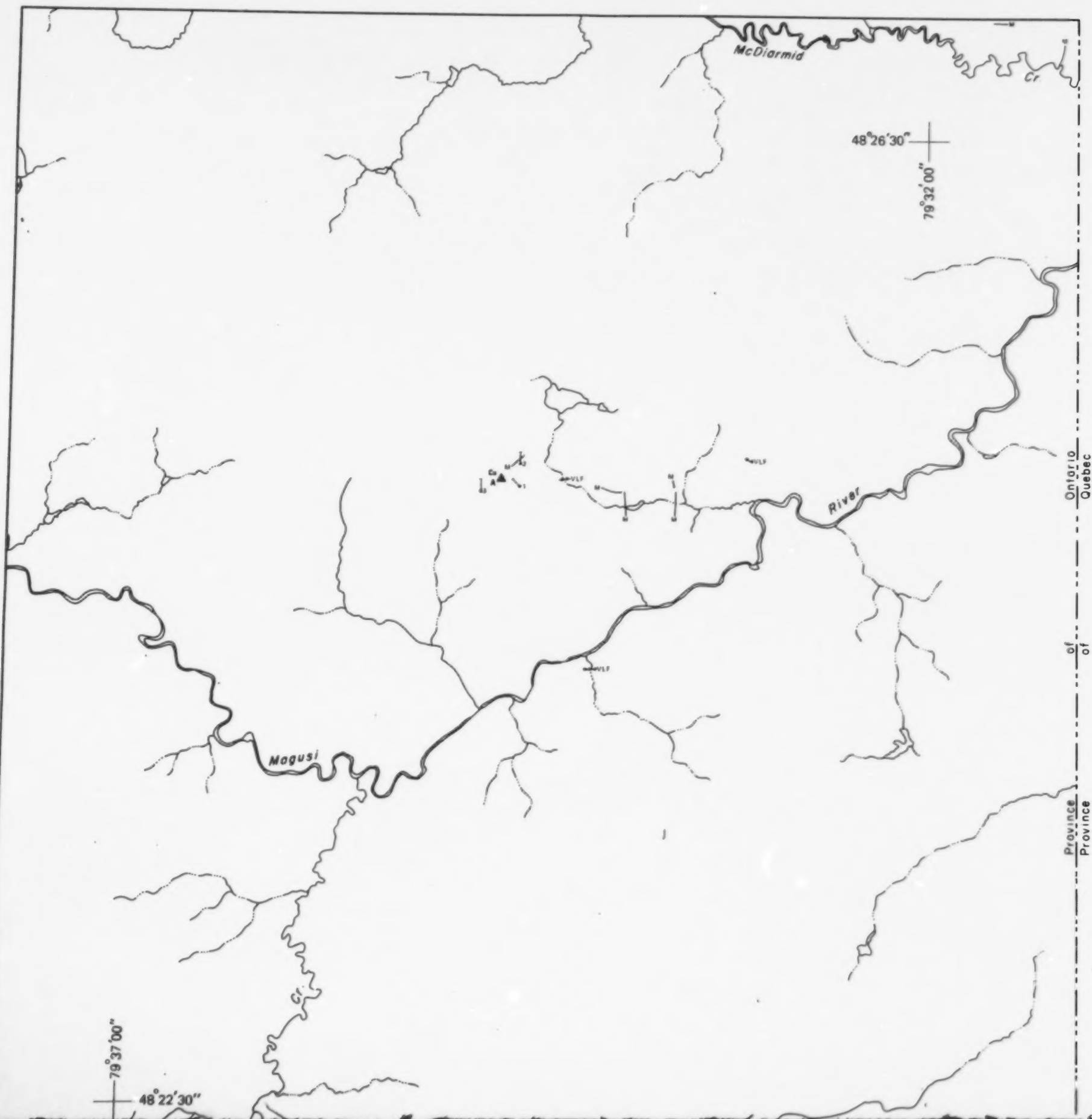
- ☐  Trenching, pit
- ☐  Adit
- ☐  Open pit
- ☐  Rock quarry
- ☐  Sand and/or gravel pit



TYPES OF

- ☐ 
- ☐ 
- ☐ 
- ☐ 

DATA



Ministry of
Northern Development
and Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

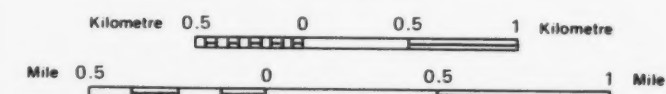
GEOLOGICAL DATA INVENTORY FOLIO 352

(Map 2 of 2)

DOKIS TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☒ Mineral occurrence at surface, with reference letter
- ☐ Mineral occurrence with shaft, depth given with reference letter
- ☐ Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ Mineralized float with reference letter

DRILLHOLE

- ☒ Location of single drillhole, with reference number
- ☐ Location of closely spaced group of drillholes, with reference number
- ☐ Drillhole, exact location uncertain, with reference number
- ☐ Property with underground drillholes in this general area, with reference number
- ☐ Property with drillholes which have not been plotted on map, with reference number

GEOPHYSICAL ANOMALIES

- ☐  Airborne magnetic anomaly
- ☐  Airborne electromagnetic anomaly
Length of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Location of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible
- ☐  Airborne radiometric anomaly
- ☐  Ground magnetic anomaly
- ☐  Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal loop;
VLF - Very low freq; Turam; JEM -
Crone Em - 16)
- ☐  Ground radiometric anomaly
- ☐  Induced polarization anomaly
- ☐  Self potential anomaly
- ☐  Audio-frequency magnetic anomaly
(total intensity)
- ☐  Resistivity anomaly
- ☐  Gravity anomaly

MISCELLANEOUS DATA

- ☐  Trenching, pit
- ☐  Adit
- ☐  Open pit
- ☐  Rock quarry
- ☐  Sand and/or gravel pit

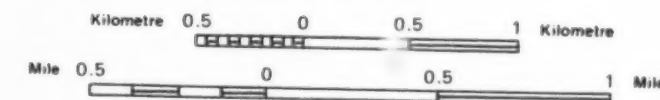
NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



DOKIS TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☒ **cp ▲ A.** Mineral occurrence at surface, with reference letter
- ☐ **Au □ A.** Mineral occurrence with shaft, depth given with reference letter
- ☐ **Ag ▲ A.** Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ **cp ○ A.** Mineralized float with reference letter

DRILLHOLE

- ☒ **●²** Location of single drillhole, with reference number
- ☐ **⊙²** Location of closely spaced group of drillholes, with reference number
- ☐ **⊙[?]** Drillhole, exact location uncertain, with reference number
- ☐ **⊙** Property with underground drillholes in this general area, with reference number
- ☐ **○²** Property with drillholes which have not been plotted on map, with reference number
- ☐ **⊕²** Reverse circulation drillhole; churn drilling, with reference number

